

Product Overview

The Cisco 805 router can connect a remote office to a corporate office or a small professional office to an Internet service provider (ISP).

In the remote-office-to-corporate-office network, the remote office is typically a small professional office that is part of a larger corporation, such as a real estate office. Although a majority of its data might exist at the remote office itself, the remote office might also need to exchange data with its larger corporate office. As a result, the remote office needs a connection to the corporate office.

In the small-office-to-ISP network, the small office is typically a small, independent professional office, such as a small architectural firm that needs to access information from the Internet.

Features

Table 1-1 summarizes the features of the Cisco 805 router.

Table 1-1 Cisco 805 Feature Summary

Feature	Description
10BaseT Ethernet port	Provides connection to a 10BaseT (10 Mbps) Ethernet network. Compatible with a 10/100-Mbps device.
Serial port	Provides connection to EIA/TIA-232, EIA/TIA-449, EIA/TIA-530, EIA/TIA-530A, X.21, and V.35 data terminal equipment (DTE) or data communications equipment (DCE).
RJ-45 Console port	Provides connection to terminal or PC for software configuration and for router troubleshooting.

Features

Table 1-1 Cisco 805 Feature Summary (continued)

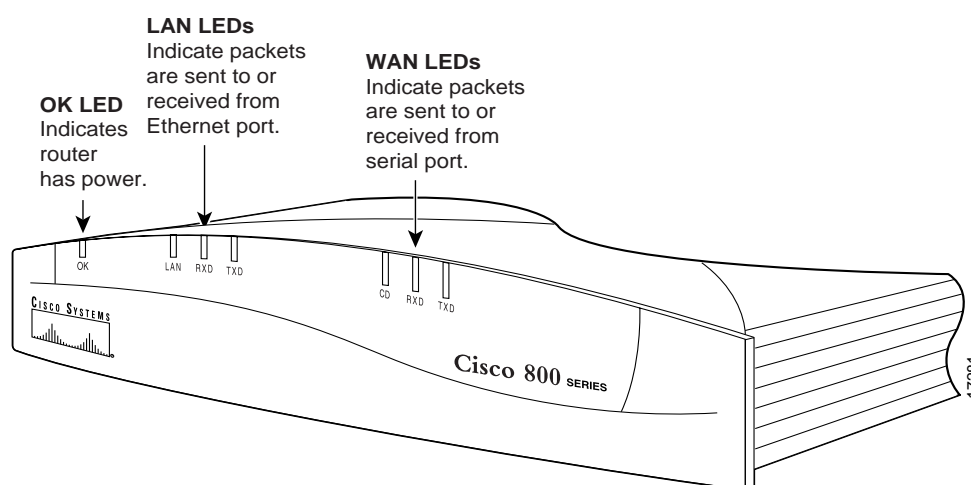
Feature	Description
Flash memory	Router provides 4 MB of Flash memory. ¹
Dynamic RAM (DRAM)	Router provides 8 MB of DRAM. ¹
Ease of installation	Color-coded ports and cables reduce the chance of error.
Cisco IOS software	Router supports a subset of Cisco IOS software.
Cisco 805 Fast Step software	Provides a Windows 95, Windows 98, and Windows NT software tool for basic Cisco 805 configuration.
Cable lock	Provides a way to physically secure router.
Locking power connector	Locks power connector in place.
Wall-mount feature	Brackets on router bottom provide a way to mount router on wall or vertical surface.

- 1 An additional 4 or 8 MB of Flash memory and DRAM can be added at the factory or later. You can order upgrade kits and have qualified personnel add the memory. The Cisco product number for the 4-MB Flash memory upgrade kit is MEM805-4U8F, for the 8-MB Flash memory upgrade kit it is MEM805-4U12F, for the 4-MB DRAM upgrade kit it is MEM805-8U12D, and for the 8-MB DRAM upgrade kit it is MEM805-8U16D. (Because of the height of the actual DRAM component, you must order the additional DRAM from Cisco.)

Front Panel

Figure 1-1 describes the Cisco 805 front panel.

Figure 1-1 Cisco 805 Front Panel



For more details, see the “LEDs” section later in this chapter.

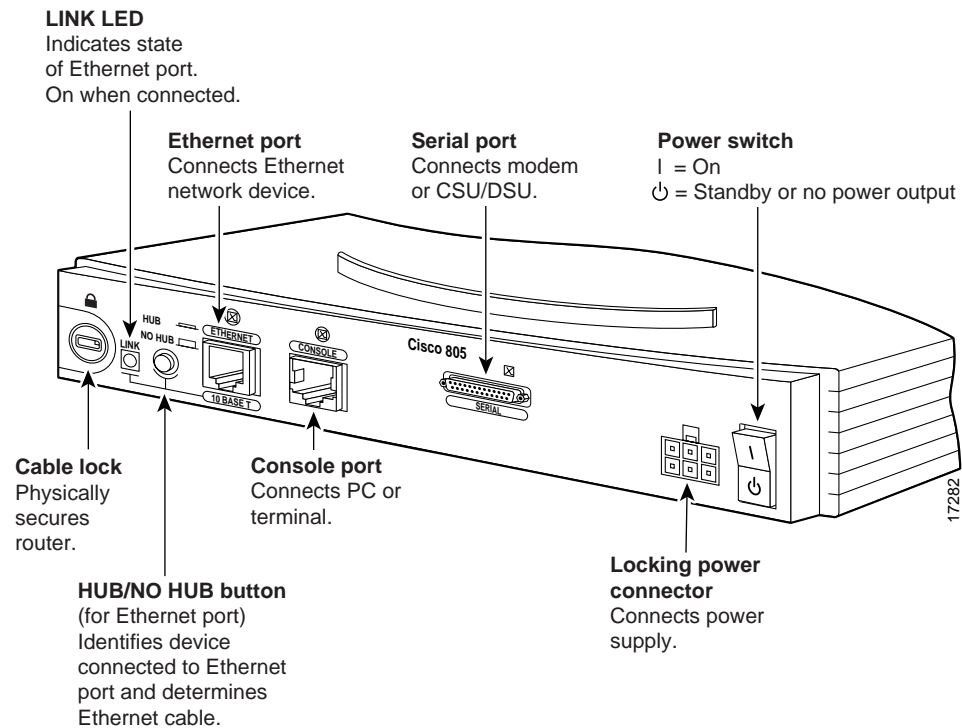
Back Panel

Figure 1-2 describes the Cisco 805 back panel.

If the symbol of suitability (☒) appears above a port, you can connect the port directly to a public network that follows the European Union standards.

If the symbol of suitability with an overlaid cross (☒) appears above a port, you must not connect the port to a public network that follows the European Union standards. Connecting the port to this type of public network can cause severe injury or damage your router.

Figure 1-2 Cisco 805 Back Panel



With the HUB/NO HUB button, you can connect hubs, servers, PCs, and workstations using the yellow Ethernet (straight-through) cable instead of using a crossover Ethernet cable, which you would need to supply. This button identifies the device that you connect to the router Ethernet port using the yellow Ethernet cable. Setting the button to HUB (in) indicates that you are connecting a hub; setting the button to NO HUB (out) indicates that you are connecting a server, PC, or workstation. The default setting of this button is HUB. If you reset the button to NO HUB, the router Ethernet connector crosses over the signals transmitted to and received from the yellow Ethernet cable. For information on how the setting of an equivalent hub button can affect the setting of this router button, refer to the “Connecting an Ethernet Device” section in Chapter 2, “Installing the Cisco 805 Router.”

LEDs

Table 1-2 summarizes the function of each LED. All LEDs are on the router front panel except for the LINK LED, which is on the router back panel.

Table 1-2 **LED Functions**

LED	Corresponding Port/Component	Color	Function
OK	Power	Green	On when power is supplied to the router and when the router completes the self-test procedure and begins operating.
LAN	Ethernet	Green	On when the Ethernet interface is up. Off when the Ethernet interface has been shut down.
RXD (Received)	Ethernet	Green	Blinks when the Ethernet port receives a packet.
TXD (Transmitted)	Ethernet	Green	Blinks when the Ethernet port sends a packet.
CD (Carrier detect)	Serial	Orange	On when the serial interface is up and a carrier signal is detected. Off when a carrier signal is not detected.
RXD (Received)	Serial	Orange	Blinks when the serial port receives a packet.
TXD (Transmitted)	Serial	Orange	Blinks when the serial port sends a packet.
LINK	Ethernet	Green	On when Ethernet device is connected. Off when the connection has a problem. Refer to the Chapter 3, "Troubleshooting."

LEDs
